Cooperators

If you'd like to use a model or see a presentation, contact one of the following cooperators:

County, Cooperator	***Phone number***
Black Hawk, Hartman Reserve Nature Center	319/277-2187
Boone, Boone County Conservation Board	515/795-2809
Cerro Gordo, Lime Creek Nature Center	641/423-5309
Clayton, Big Spring Fish Hatchery	563/245-2446
Clayton, Clayton County Conservation Board	563/245-1516
Delaware, Manchester Trout Hatchery	563/927-3276
Des Moines, Starr's Cave Nature Center	319/753-5808
Floyd, Floyd County Conservation Board	641/756-3490
Harrison, Harrison County Conservation Board	712/647-2785
Jasper, Jasper County Conservation Board	641/792-9780
Linn, Linn County Conservation Board	319/892-6485
Lucas, Lucas County Conservation Board	641/774-2438
Muscatine, Fairport Hatchery	563/263-5062
Palo Alto, Palo Alto County Conservation Board	712/837-4866
Polk, Polk County Conservation Board	515/323-5300
Scott, Nahant Marsh Educational Field Station	563/323-5196
Scott, Wapsi River Environmental Education Center	563/328-3286
Warren, Warren County Conservation Board	515/961-6169
Washington, Washington County Conservation Board	319/657-2400
Woodbury, Woodbury County Conservation Board	712/258-0838
Wright, Wright County Conservation Board	515/532-3185

Trailer Models

Trailer mounted *Stream Table* models also are available. For more information, or to reserve one of these models, call:

Don Sievers, Conservation Education Center 641/747-8383
Tom Isenhart, Department of Forestry, ISU 515/294-8056

The Stream Table

A Teaching Model to Demonstrate
Stream Dynamics
The Effects of Channelization

Iowa Department of Natural Resources
Updated 2007

Background

The Stream Table demonstration model shows how sediment, vegetation, and flowing water interact in a dynamic stream system.

Sediment in Iowa's water and soil erosion threaten the state's water quality and aquatic habitat.

The Model

The portable model can be used to provide an interactive, hands-on demonstration for participants of all ages, including students, agricultural producers, engineers, building contractors, and the general public.

The large, water-tight box (measuring 36" x 6'8") can be used both outdoors and indoors. Setup and tear down takes about one hour each.

It is best to set up the model at a site where it can be used for an extended period of time. Equipment includes the tub, plastic granules, buckets, stands, a 12-volt marine battery, pump, and props. Transporting the model requires a pick-up, full-size station wagon, or van.

Plans to construct your own Stream Table model are available on our website: http://www.iowadnr.gov/education/files/strtbldir.pdf.

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Expected Benefits

Interactive teaching models enhance the learner's ability to understand ambiguous terms such as "watershed" and "nonpoint source pollution." Educators can demonstrate, in a short period of time, how human actions impact aquatic resources and how responsible actions can restore and/or protect those resources. The model allows the presenter to show a series of events that may take years to occur in a natural setting.

The Stream Table can be used to enhance activities from *Project WILD Aquatic* and other curriculum materials designed for use in both schools and non-formal settings. For more information about educational resources available through the Aquatic Education Program, check out our web site: www.iowadnr.gov/education/index.html.